

Receiving Report

Date:

13/11/11

Batch No:

11 127443

Supplier:

memor

Dart P/O:

28974

Packing Slip:

Yes

☒ No

Invoice:

Yes

☒ No

Receipt:

Cash

☒ Cr

Release Note Attached:

Yes

☒ No

N/A

Waybill Attached:

Yes

☒ No

N/A

Shipment Complete:

Yes

☒ No

N/A

QC6 Inspection

N/A

Work Order

N/A

Discrepancies

Part Number	Description	Quantity Ordered	Quantity Received	Quantity Returned	Quantity Short	Comments

Initials of receiver (if shipment OK)

Level 12

Production/Admin:

Date

Received/Costing

Initial

13/11/11
[Signature]

Location



330-995-5500
330-995-9600 (fax)
cle.sales@mcmaster.com

RECEIVED NOV 08 2013

Invoice

Billed to

DART AEROSPACE LTD
1270 ABERDEEN ST
HAWKESBURY ON K6A 1K7
CANADA

Shipped to

Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury ON K6A 1K7
Canada

Purchase Order	PO21974
Total (US Dollars)	\$1,904.09
Invoice	64798656
Invoice Date	11/7/13
Payment Terms	2% 10, Net 30
Deduct \$35.26 on merchandise if paid by 11/17/13.	

Mail Payment to	McMaster-Carr PO Box 7690 Chicago IL 60680-7690 USA
Your Account	221643200

Chantal Lavoie placed this order.

Line	Product	Ordered	Shipped	Balance	Price	Total
1	8623K338 Super-Resilient Extreme-Temperature Silicone Foam, Plain Back, 1/8" Thick, 36" X 36", Soft 1 Ea = 9 Sq FT	5 Each	5 ✓	0	115.89 Each	579.45
2	10505A43 Base-Mount Overhead-Door Seal, Vinyl, Aluminum Flange, 18' Length Your Part Number: 71725-45	1 Each	1 ✓	0	56.70 Each	56.70
3	6641A41 Loctite Gasket Maker, #598, 2.36 oz Tube Your Part Number: 71400-200 MAT. M.	15 Each	15 ✓	0	13.02 Each	195.30
4	21465A81 Digital Angle Indicator, 360 Degree Range, 0.1 Degree Measuring Increments Your Part Number: 71500-10 DAN.P	1 Each	1 ✓	0	198.15 Each	198.15
5	3015A26 Changeable Pilot Counterbore, High-Speed-Steel, 5/8" Body Diameter, 1/2" Shank Diameter Your Part Number: 71500-10 DAN.P	2 Each	2 ✓	0	60.83 Each	121.66
6	3102A24 High-Speed Steel Changeable Pilot Counterbore, 5/8" Body Diameter, 1/4" Shank Diameter, 2-13/16" L Overall Your Part Number: 71500-10 DAN.P	2 Each	2 ✓	0	35.50 Each	71.00
7	3103A16 Changeable Counterbore Pilot, 1/8" Shank Diameter, 1/8" Pilot Diameter Your Part Number: 71500-10 DAN.P	4 Each	4 ✓	0	6.00 Each	24.00
8	3103A27 Changeable Counterbore Pilot, 5/32" Shank Diameter, 3/8" Pilot Diameter Your Part Number: 71500-10 DAN.P	4 Each	4 ✓	0	6.50 Each	26.00
9	3103A32 Changeable Counterbore Pilot, 3/16" Shank Diameter, 1/2" Pilot Diameter Your Part Number: 71500-10 DAN.P	4 Each	4 ✓	0	5.20 Each	20.80



330-995-5500
330-995-9600 (fax)
cle.sales@mcmaster.com

Invoice

Purchase Order	PO21974
Invoice	64798656
Invoice Date	11/7/13

Line	Product	Ordered	Shipped	Balance	Price	Total
10	89315A41 Tin-Coated High-Speed-Steel Multi-Diameter Step Drill Bit, 13 Sizes, 1/8"- 1/2", 1/4" Shank Diameter, 1/8" Max Thickness Your Part Number: 71500-10 DAN.P	5 Each	5 ✓	0	24.62 Each	123.10
11	8841A21 Multi-Diameter Step Drill Bit, High-Speed-Steel, 13 Sizes, 1/8"-1/2", 1/4" Shank Diameter, 1/8" Max Thickness Your Part Number: 71500-10 DAN.P	5 Each	5 ✓	0	18.43 Each	92.15
12	7509A82 3M Gasketing Adhesive, Number 1300L, 32-Ounce Can Your Part Number: 71400-20 SYLVIE	4 Each	4 ✓	0	44.23 Each	176.92
13	2848A62 Keyless Drill Chuck, with Ratchet Locking, 1/16"-1/2" Cap, 1/2"-20 Mount Your Part Number: 71350-11 LUC	1 Each	1 ✓	0	77.96 Each	77.96

Notes

Delivered price includes duty and brokerage fees.

This transaction is subject to McMaster-Carr Supply Company's terms and conditions of sale. No other terms and conditions of sale shall apply to this transaction.

These commodities, technology, or software were exported from the United States in accordance with Export Administration regulations. Diversion contrary to US law is prohibited.

Merchandise	1,763.19
Canadian GST	88.18
Shipping	6400-45 52.72
Total (US Dollars)	\$1,904.09

Packing List	Shipped	Weight	Carrier	Tracking
2181931-01	11/7/13	29 lb	Purolator Ground	MFA003364682
2181931-02	11/7/13	20 lb	Purolator Ground	MFA003364766

ENTERED NOV 12 2013

PAID
NOV 13 2013

3205

Purchase Order Receipt Listing

Monday, November 11, 2013 1:11:16 PM

All amounts are calculated in domestic currency.

All Vendors PO ID PO21974 Receipt Dates from 11/11/2013 to 11/11/2013 All Line Item Types
All Item ID/GL/WOs All Rec. Employees All Currencies
Grouped by Vendor ID

Purchase Order ID/ Curr Type	Line Nbr/ Insp Req	Project ID	Reference/ Description/ Cert Std	PO U/M / Stock U/M	Required Date Required Qty	Recv Date/ Recv Emp	Recv Qty (PO U/M)	Cost Per Unit/ Recv Value	Inspected Qty/ Rejected Qty (PO U/M)	MRB Qty/ MRB Reject Qty	Book Amt
VendorID\Vendor Name VU-MCM001 McMaster-Carr Supply Co.											
PO21974	1		8623K338	Each	11/8/2013	11/11/2013	45.0000	\$12.88	0.0000	0	\$579.45
USD	No		Silicon Rubber 1/8"	sf	45.0000	DESJ02		\$579.45	0.0000	0	
			m127443								
	2		71725-45	Each	11/8/2013	11/11/2013	1.0000	\$56.70	0.0000	0	\$56.70
	No		10505A43 BASE		1.0000	DESJ02		\$56.70	0.0000	0	
			MOUNT DOOR								
			SEAL								
			m127443								
	3		71400-20	Each	11/8/2013	11/11/2013	15.0000	\$13.02	0.0000	0	\$195.30
	No		6641A41 598		15.0000	DESJ02		\$195.30	0.0000	0	
			LOCTITE 2.36OZ								
			m127443								
	4		71500-10	Each	11/8/2013	11/11/2013	1.0000	\$198.15	0.0000	0	\$198.15
	No		21465A81		1.0000	DESJ02		\$198.15	0.0000	0	
			PROTRACTOR								
			m127443								
	5		71500-10	Each	11/8/2013	11/11/2013	2.0000	\$60.83	0.0000	0	\$121.66
	No		3015A26 5/8 C-		2.0000	DESJ02		\$121.66	0.0000	0	
			BORE								
			m127443								
	6		71500-10	Each	11/8/2013	11/11/2013	2.0000	\$35.50	0.0000	0	\$71.00
	No		3102A24 5/8 C-		2.0000	DESJ02		\$71.00	0.0000	0	
			BORE								
			m127443								
	7		71500-10	Each	11/8/2013	11/11/2013	4.0000	\$6.00	0.0000	0	\$24.00
	No		3103A16 1/8-1/8		4.0000	DESJ02		\$24.00	0.0000	0	
			PILOT								
			m127443								
	8		71500-10	Each	11/8/2013	11/11/2013	4.0000	\$6.50	0.0000	0	\$26.00
	No		3103A27 5/32-3/8		4.0000	DESJ02		\$26.00	0.0000	0	
			PILOT								
			m127443								



Purchase Order
PO21974

Page 1 of 1

200 Aurora Industrial Pkwy
Aurora OH 44202-8087
330-995-5500
cle.sales@mcmaster.com

Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury ON K6A 1K7
Canada

Order Placed By
Chantal Lavoie

11/07/2013

McMaster-Carr Number
2181931-01

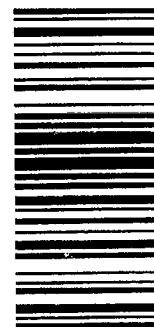
Line	Description	Ordered	Shipped	LNS A92		
1	8623K338 Super-Resilient Extreme-Temperature Silicone Foam, Plain Back, 1/8" Thick, 36" X 36", Soft, 1 Ea = 9 Sq FT	5 Each	5 ✓	8 - 93 - 41	09 - 03 K974	5EA 1
	Unit Price:	\$115.89		25 lbs		
	Extended Price:	\$579.45				
2	10505A43 Base-Mount Overhead-Door Seal, Vinyl, Aluminum Flange, 18' Length Your Part Number: 71725-45	1 Each	1 ✓	7 - 76		2
	Unit Price:	\$56.70				
	Extended Price:	\$56.70				

Charges for this shipment

Merchandise Amount: \$636.15
Sales Tax: \$31.81
Total: \$667.96

Dart Aerospace Ltd

**EXP
INV
NAFTA**



30 lbs
2 lines

Lg
62x12x12

FW1RFV43
11/07/2013
11:49:12:17
342
Cycle 37





200 Aurora Industrial Pkwy
Aurora OH 44202-8087
330-995-5500
cle.sales@mcmaster.com

Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury ON K6A 1K7
Canada

Purchase Order
PO21974

Page 1 of 3

Order Placed By
Chantal Lavoie

11/07/2013

McMaster-Carr Number
2181931-02

Line	Description	Ordered	Shipped
3	6641A41 Loctite RTV Silicone Gasket Maker, Number 59830, 2.36 oz Tube, Black Your Part Number: 71400-200 MAT. M.	15 Each	15
	Unit Price: \$13.02 Extended Price: \$195.30		
4	21465A81 Digital Angle Indicator, 360 Degree Range, 0.1 Degree Measuring Increments Your Part Number: 71500-10 DAN.P	1 Each	1
	Unit Price: \$198.15 Extended Price: \$198.15		
5	3015A26 Changeable Pilot Counterbore, High-Speed-Steel, 5/8" Body Diameter, 1/2" Shank Diameter Your Part Number: 71500-10 DAN.P	2 Each	2
	Unit Price: \$60.83 Extended Price: \$121.66		
6	3102A24 High-Speed Steel Changeable Pilot Counterbore, 5/8" Body Diameter, 1/4" Shank Diameter, 2-13/16" L Overall Your Part Number: 71500-10 DAN.P	2 Each	2
	Unit Price: \$35.50 Extended Price: \$71.00		

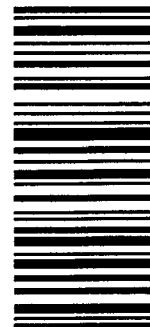
13/11/11

Dart Aerospace Ltd

LNS **A81**

1 - 471 - 06	26 - 68	A41	15 EA	3 HZ-N
1 - 137				4 HZ-N
2 - 501				5
2 - 501				6

EXP
INV
NAFTA
HZ-D



17 lbs
11 lines

FW1WBP10
11/07/2013
11:49/12:17
098
Cycle 37

1140927588123



Me

12x12x12



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO21974**

Purchase Order Date 11/7/2013

PO Print Date 11/7/2013

Page Number 1 of 5

Order From :
MCMASTER-CARR SUPPLY CO,
P.O. BOX 7690
CHICAGO, IL 60680-7690
US

VU-MCM001

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

REVISED
\$

Contact Name
Vendor Phone 330 995 5500

Ship To Contact
Ship To Phone
Ship Via: FedEx PI collect
Ship Acct:

Buyer
Customer POID
Customer Tax # 10127-2607
Terms Net 10
Currency USD
FOB FCA - (Free Carrier)

Line Nbr	Reference Vendor Part Number Line Comments Delivery Comments	Description/ Mfg ID	Req Date/ Taxable Promise Date	CD	Req Qty/ Unit of Measure	PO Unit Price	Extended Price
1	8623K338 MCMASTER P/N: 8623K338 SOFT X 5 PCS OF 36" X 36"	Silicon Rubber 1/8"	11/8/2013 Yes 11/8/2013		45.00 Each	\$12.88	\$579.45
Line Total:							\$579.45
2	71725-45	10505A43 BASE MOUNT DOOR SEAL	11/8/2013 Yes 11/8/2013		1.00 Each	\$56.70	\$56.70
Line Total:							\$56.70
Deliver To: LUC							
3	71400-20	6641A41 598 LOCTITE 2.36OZ	11/8/2013 Yes 11/8/2013		15.00 Each	\$13.02	\$195.30

Note:

11/7/2013



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO21974**

Purchase Order Date 11/7/2013

PO Print Date 11/7/2013

Page Number 2 of 5

Order From :
MCMaster-CARR SUPPLY CO,
P.O. BOX 7690
CHICAGO, IL 60680-7690
US

VU-MCM001

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name

Vendor Phone 330 995 5500

Ship To Contact

Ship To Phone

Ship Via: FedEx PI collect

Ship Acct:

Buyer

Customer POID

Customer Tax # 10127-2607

Terms Net 10

Currency USD

FOB FCA - (Free Carrier)

Chantal Lavoie

Line Total: \$195.30

Deliver To: MAT.M

4	71500-10	21465A81 PROTRACTOR	11/8/2013	1.00	\$198.15	\$198.15
		Yes	11/8/2013	Each		

Line Total: \$198.15

Deliver To: DAN.P

5	71500-10	3015A26 5/8 C-BORE	11/8/2013	2.00	\$60.83	\$121.66
		Yes	11/8/2013	Each		

Line Total: \$121.66

Deliver To: DAN.P

6	71500-10	3102A24 5/8 C-BORE	11/8/2013	2.00	\$35.50	\$71.00
		Yes	11/8/2013	Each		

Line Total: \$71.00

Deliver To: DAN.P

Note:

11/7/2013



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO21974**

Purchase Order Date 11/7/2013

PO Print Date 11/7/2013

Page Number 3 of 5

Order From :

VU-MCM001

Ship To : DART AEROSPACE LTD

• MCMaster-CARR SUPPLY CO,
P.O. BOX 7690
CHICAGO, IL 60680-7690
• US

1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name

Vendor Phone 330 995 5500

Ship To Contact

Ship To Phone

Ship Via: FedEx PI collect

Ship Acct:

Buyer

Chantal Lavoie

Customer POID

Customer Tax # 10127-2607

Terms Net 10

Currency USD

FOB FCA - (Free Carrier)

7	71500-10	3103A16 1/8-1/8 PILOT	11/8/2013	4.00	\$6.00	\$24.00
		Yes	11/8/2013	Each		

Line Total: \$24.00

Deliver To: DAN.P

8	71500-10	3103A27 5/32-3/8 PILOT	11/8/2013	4.00	\$6.50	\$26.00
		Yes	11/8/2013	Each		

Line Total: \$26.00

Deliver To: DAN.P

9	71500-10	3103A32 3/16-1/2 PILOT	11/8/2013	4.00	\$5.20	\$20.80
		Yes	11/8/2013	Each		

Line Total: \$20.80

Deliver To: DAN.P

Note:

11/7/2013



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO21974**

Purchase Order Date 11/7/2013

PO Print Date 11/7/2013

Page Number 4 of 5

Order From :

VU-MCM001

Ship To : DART AEROSPACE LTD

•MCMASTER-CARR SUPPLY CO,
P.O. BOX 7690
CHICAGO, IL 60680-7690
• US

1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name

Vendor Phone 330 995 5500

Buyer

Chantal Lavoie

Customer POID

Customer Tax # 10127-2607

Terms Net 10

Currency USD

FOB FCA - (Free Carrier)

Ship To Contact

Ship To Phone

Ship Via: FedEx PI collect

Ship Acct:

10	71500-10	89315A41 1/8-1/2 STEP DRILL	11/8/2013	5.00 ✓	\$24.62	\$123.10
			Yes	Each ✓		
			11/8/2013			

Line Total: \$123.10

Deliver To: DAN.P

11	71500-10	8841A21 1/8-1/2 STEP DRILL	11/8/2013	5.00 ✓	\$18.43	\$92.15
			Yes	Each ✓		
			11/8/2013			

Line Total: \$92.15

Deliver To: DAN.P

12	71400-20	7509A82 3M GASKETING ADHESIVE 1300L	11/8/2013	4.00 ✓	\$44.23	\$176.92
			Yes	Each ✓		
			11/8/2013			

Line Total: \$176.92

Deliver To: SYLVIE

Note:

11/7/2013



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO21974**

Purchase Order Date 11/7/2013

PO Print Date 11/7/2013

Page Number 5 of 5

Order From :

VU-MCM001

Ship To : DART AEROSPACE LTD

•MCMASTER-CARR SUPPLY CO,
P.O. BOX 7690
CHICAGO, IL 60680-7690
• US

1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name

Vendor Phone 330 995 5500

Ship To Contact

Ship To Phone

Ship Via: FedEx PI collect

Ship Acct:

Buyer

Chantal Lavoie

Customer POID

Customer Tax # 10127-2607

Terms

Net 10

Currency

USD

FOB

FCA - (Free Carrier)

13	71350-11	2848A62 KEYLESS CHUCK (DRILL)	11/8/2013	1.00	✓	\$77.96	\$77.96
			Yes	Each	✓		
			11/8/2013				

Line Total: \$77.96

Deliver To: LUC

PO Total: \$1,763.19

Note: Pricing listed above is as per contract agreement between Dart Aerospace and the respective manufacturer.

No substitution or deviation without consent.

Certificate of Conformity or Material Certification required ☒ YES ☐ NO

PST# 6122-5207

Change Nbr: 5

Change Date: 11/7/2013

330-995-5500
330-995-9600 (fax)
cle.sales@mcmaster.com

Order Confirmation

Ship to
Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury ON K6A 1K7
Canada

Purchase Order
PO21974

Order Date
11/7/13

Ordered By
Chantal Lavoie

McMaster-Carr Number
2181931

Line	Product	Ordered	Ships	Price	Total
1	8623K338 Super-Resilient Extreme-Temperature Silicone Foam, Plain Back, 1/8" Thick, 36" X 36", Soft 1 Ea = 9 Sq FT	5 each	today	115.89 each	579.45
2	10505A43 Base-Mount Overhead-Door Seal, Vinyl, Aluminum Flange, 18' Length Your Part Number: 71725-45	1 each	today	56.70 each	56.70
3	6641A41 Loctite RTV Silicone Gasket Maker, Number 59830, 2.36 oz Tube, Black Your Part Number: 71400-200 MAT. M.	15 each	today	13.02 each	195.30
4	21465A81 Digital Angle Indicator, 360 Degree Range, 0.1 Degree Measuring Increments Your Part Number: 71500-10 DAN.P	1 each	today	198.15 each	198.15
5	3015A26 Changeable Pilot Counterbore, High-Speed-Steel, 5/8" Body Diameter, 1/2" Shank Diameter Your Part Number: 71500-10 DAN.P	2 each	today	60.83 each	121.66
6	3102A24 High-Speed Steel Changeable Pilot Counterbore, 5/8" Body Diameter, 1/4" Shank Diameter, 2-13/16" L Overall Your Part Number: 71500-10 DAN.P	2 each	today	35.50 each	71.00
7	3103A16 Changeable Counterbore Pilot, 1/8" Shank Diameter, 1/8" Pilot Diameter Your Part Number: 71500-10 DAN.P	4 each	today	6.00 each	24.00
8	3103A27 Changeable Counterbore Pilot, 5/32" Shank Diameter, 3/8" Pilot Diameter Your Part Number: 71500-10 DAN.P	4 each	today	6.50 each	26.00
9	3103A32 Changeable Counterbore Pilot, 3/16" Shank Diameter, 1/2" Pilot Diameter Your Part Number: 71500-10 DAN.P	4 each	today	5.20 each	20.80
10	89315A41 Tin-Coated High-Speed-Steel Multi-Diameter Step Drill Bit, 13 Sizes, 1/8"- 1/2", 1/4" Shank Diameter, 1/8" Max Thickness Your Part Number: 71500-10 DAN.P	5 each	today	24.62 each	123.10
11	8841A21 Multi-Diameter Step Drill Bit, High-Speed-Steel, 13 Sizes, 1/8"-1/2", 1/4" Shank Diameter, 1/8" Max Thickness Your Part Number: 71500-10 DAN.P	5 each	today	18.43 each	92.15
12	7509A82 3M Gasketing Adhesive, Number 1300L, 32-Ounce Can Your Part Number: 71400-20 SYLVIE	4 each	today	44.23 each	176.92



Order Confirmation

330-995-5500
330-995-9600 (fax)
cle.sales@mcmaster.com

Ship to
Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury ON K6A 1K7
Canada

Purchase Order
PO21974

Order Date
11/7/13

Ordered By
Chantal Lavoie

McMaster-Carr Number
2181931

Line	Product	Ordered	Ships	Price	Total
13	2848A62 Keyless Drill Chuck, with Ratchet Locking, 1/16"-1/2" Cap, 1/2"-20 Mount Your Part Number: 71350-11 LUC	1 each	today	77.96 each	77.96

Merchandise \$1,763.19

Notes

Your order is subject only to our terms and conditions, available at www.mcmaster.com.

Applicable shipping charges and GST will be added.



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO21974**

Purchase Order Date 11/7/2013

PO Print Date 11/7/2013

Page Number 1 of 5

Order From :

VU-MCM001

Ship To : DART AEROSPACE LTD

MCMaster-CARR SUPPLY CO,
P.O. BOX 7690
CHICAGO, IL 60680-7690
US

1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

FAKED
11/3/11

Contact Name

Vendor Phone 330 995 5500

Ship To Contact

Ship To Phone

Ship Via: FedEx PI collect

Ship Acct:

Buyer

Chantal Lavoie

Customer POID

Customer Tax # 10127-2607

Terms Net 10

Currency USD

FOB FCA - (Free Carrier)

Line Nbr	Reference Vendor Part Number Line Comments Delivery Comments	Description/ Mfg ID	Req Date/ Taxable Promise Date	CD	Req Qty/ Unit of Measure	PO Unit Price	Extended Price
1	8623K338	Silicon Rubber 1/8"	11/8/2013 Yes 11/8/2013		45.00 Each	\$12.88 ✓	\$579.45
MCMaster P/N: 8623K338 SOFT X 5 PCS OF 36" X 36"							
Line Total:							\$579.45
2	71725-45	10505A43 BASE MOUNT DOOR SEAL	11/8/2013 Yes 11/8/2013		1.00 Each	\$56.70	\$56.70 ✓
Line Total:							\$56.70
Deliver To: LUC							
3	71400-20	6641A41 598 LOCTITE 2.36OZ	11/8/2013 Yes 11/8/2013		15.00 Each	\$13.02	\$195.30 ✓

Note:

11/7/2013



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO21974**

Purchase Order Date 11/7/2013

PO Print Date 11/7/2013

Page Number 2 of 5

Order From : VU-MCM001 Ship To : DART AEROSPACE LTD
•MCMASTER-CARR SUPPLY CO,
P.O. BOX 7690
CHICAGO, IL 60680-7690
US
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name
Vendor Phone 330 995 5500

Ship To Contact
Ship To Phone
Ship Via: FedEx PI collect
Ship Acct:

Buyer Chantal Lavoie
Customer POID
Customer Tax # 10127-2607
Terms Net 10
Currency USD
FOB FCA - (Free Carrier)

7
Deliver To: MAT.M
4 71500-10 21465A81 PROTRACTOR 11/8/2013 1.00 \$205.77 \$205.77
Yes Each
11/8/2013
198.15

8
Deliver To: DAN.P
5 71500-10 3015A26 5/8 C-BORE 11/8/2013 2.00 \$60.83 \$121.66
Yes Each
11/8/2013

9
Deliver To: DAN.P
6 71500-10 3102A24 5/8 C-BORE 11/8/2013 2.00 \$35.50 \$71.00
Yes Each
11/8/2013

Deliver To: DAN.P
Line Total: \$71.00

Note:

11/7/2013



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO21974**

Purchase Order Date 11/7/2013

PO Print Date 11/7/2013

Page Number 5 of 5

Order From :

VU-MCM001

Ship To :

DART AEROSPACE LTD

MCMaster-CARR SUPPLY CO,
P.O. BOX 7690
CHICAGO, IL 60680-7690
US

1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name

Vendor Phone

330 995 5500

Ship To Contact

Ship To Phone

Ship Via:

FedEx PI collect

Ship Acct:

Buyer

Chantal Lavoie

Customer POID

Customer Tax #

10127-2607

Terms

Net 10

Currency

USD

FOB

FCA - (Free Carrier)

13	71350-11	2848A62 KEYLESS CHUCK (DRILL)	11/8/2013	1.00	\$75.69	\$75.69
			Yes	Each		
			11/8/2013			

77.96

Line Total:

\$75.69

Deliver To: LUC

PO Total:

\$1,768.54

Note: Pricing listed above is as per contract agreement between Dart Aerospace and the respective manufacturer.
No substitution or deviation without consent.
Certificate of Conformity or Material Certification required ☒ YES ☐ NO
PST# 6122-5207

Change Nbr:

4

Change Date:

11/7/2013

DART

AEROSPACE

RÉQUISITION REQUISITION

THIS IS NOT A PURCHASE ORDER
CECI N'EST PAS UN BON DE COMMANDE

M01377

CONFIRMANT CONFIRMING			COMMANDE DU ORDER-OF		
FACS	VERBALE VERBAL	TÉL. WIRED	LETTRE LETTER	JOUR DAY	MOIS MONTH

FOURNISSEUR SUPPLIER <i>McMaster</i>	N° FOURNISSEUR SUPPLIER No.	EXPÉDIÉ À SHIP TO	N° FOURNISSEUR SUPPLIER No.

N° TÉL. DU FOURNISSEUR
SUPPLIER TELEPHONE No.

N° TÉLÉCOPIEUR DU FOURNISSEUR
SUPPLIER FAX No.

N.B. LES SECTIONS TRAMÉES DOIVENT
ÊTRE REMPLIES PAR LE REQUÉRANT.
N.B. SHARED AREAS ARE TO BE FILLED IN
BY THE ORIGINATOR.

REPRÉSENTANT/ REPRESENTATIVE	EXPÉDIÉ PAR / SHIP VIA	F.A.B. / F.O.B.	TERMES / TERMS	FONDS / FUNDS
	DESTINATION	PORT P. <input type="checkbox"/> P.P.O. <input type="checkbox"/> À PERC. <input type="checkbox"/> COLL. <input type="checkbox"/>	% JOURS DAYS NET 30	CON US AUTRE OTHER N° FEUILLE D'EMBALLAGE PACKING SLIP No.

ART. / ITEM	QUANTITÉ QUANTITY	PAR PER	N° PIÈCE / DESCRIPTION PART No. / DESCRIPTION	N° AVION / BON DE TRAVAIL AIRCRAFT No. / WORK ORDER	COMPTÉ DE DEPENSE EXPENSE ACCOUNT	DATE REQUIS DATE REQUIRED	PRIX LISTE LIST PRICE	PRIX UNITAIRE UNIT PRICE	PAR PER	DATE PROMIS DATE PROMISED
	1		21465A81 (PROTRACTOR)					205.77		
	2		3015A26 (5/8 C-Bore)					60.83		
	2		3102A24 (5/8 C-Bore)					35.50		
	4		3103A16 (1/8-1/8 PILOT)					6.00		
	4		3103A27 (5/32-3/8 PILOT)					6.50		
	4		3103A32 (3/16-1/2" PILOT)					5.20		
	5		89315A41 (1/8-1/2 Step drill)					24.62		
	5		8841A21 (1/8-1/2 Step drill)					18.43		

PREUVE DE NAVIGABILITÉ REQUISE PROOF OF AIRWORTHINESS REQUIRED					
MOT	FAA	ARB	COFC	AUTRE OTHER	NON REQUIS NOT REQD
DEMANDEUR ORIGINATOR <i>Dart</i>					
AUTORISÉ PAR AUTHORIZED BY					
DEPT. PANIFICATION PLANNING DEPT					
DATE		# D'EMPLOYÉ EMPLOYEE #	N° de DEPT. DEPT. No.		

ACHETEUR / BUYER
<i>Charles L...</i>
SIGNATURE

SERVICE DES ACHATS
PURCHASING



Need help? Call (330) 342-6100
e-mail, or text 76947.

3M Gasketing Adhesive

Number 1300L, 32-Ounce Can

In stock

\$44.23 Each

7509A82

Reach full strength in 24 hours. These products are compliant under all state VOC rules in effect on March 1, 2012, except in California, Connecticut, the D.C. area, Delaware, Maine, Maryland, New Jersey, New York, Pennsylvania, Rhode Island, and Northern Virginia (unless noted).

1300/1300L are strong, heat-resistant adhesives. Bond metal, butyl rubber, neoprene, SBR, and wood. Not for use on EPDM rubber. Temperature range is -30° to +300° F. Color is yellow. 1300 is a medium-thickness brush-on adhesive. Begins to harden in 12 minutes. 1300L is a sprayable adhesive, begins to harden in 8 minutes, and meets MMM-A-121.

3M Number	1300L
Size	1-qt. Can
Additional Specifications	MSDS

Chantal Lavoie

From: Linda Lacelle
Sent: Thursday, November 07, 2013 7:34 AM
To: Chantal Lavoie
Subject: 8623K338

Please order 5 pieces of 36x36" -asap

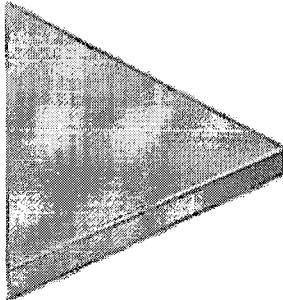
Linda Lacelle
Production manager
Dart Aerospace



Need help? Call (330) 342-6100
e-mail, or text 76947.

Super-Resilient Extreme-Temperature Silicone Foam

Plain Back, 1/8" Thick, 36" x 36"



Plain Back

Firmness
Soft
Firm
Extra Firm

\$115.89 Each
8623K338

stock

Like solid silicone, this foam maintains its flexibility in temperature extremes. It also provides the best recovery from compression, even after extended use.

Foam meets ASTM D1056 2D. Material has a criss-cross textured finish and a skin on the top and bottom. Width and length tolerances are $\pm 3\%$.

To Order: Please specify soft (unless noted), firm, or extra firm.

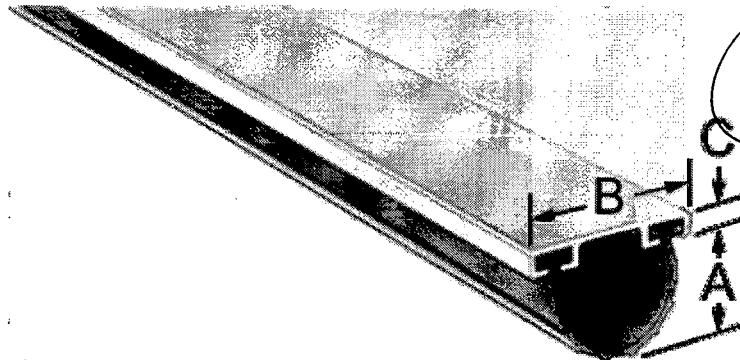
Firmness Selector Pack—Includes three 6" x 6" sheets, one of each firmness rating. Thicknesses range from 1/16" to 1/2". One sheet includes a sample of the adhesive backing.

Backing	Plain Back
Thickness	1/8"
Thickness Tolerance	± 0.032 "
Color	Orange-Red
Temperature Range	-103° to +450° F
Firmness (25% Deflection)	4-10 psi (soft), 6-14 psi (firm), or 12-20 psi (extra firm)
Density	Soft is 31 lbs./Cubic Feet, firm is 35 lbs./Cubic Feet, and extra firm is 52 lbs./Cubic Feet
Additional Specifications	<p>Sheets—Textured Finish</p> <p>36" x 36"</p> <p>Use indoors and outdoors</p> <p>Restricts absorption (closed cell)</p>

McMASTER-CARR OVER 510,000 PRODUCTS
 Need help? Call (330) 342-6100
 e-mail, or text 76947.

Base-Mount Overhead-Door Seal

Vinyl, Aluminum Flange, 18' Length



In stock
 \$56.70 Each
 10505A43

X1

Luc

Vinyl Insert with Aluminum Flange

Seals mount to the bottom of your overhead door to close gaps between your door and a threshold or floor. All conform to irregular surfaces and uneven floors.

Insert is vinyl and stays flexible to -30° F. Use to seal 3/4" gaps. If gap is larger than 3/4", use with heavy duty thresholds. Flanges come with self-tapping screws.

The 9-ft. long door bottom is furnished with two 4 1/2-ft. aluminum flanges and one 9-ft. rubber insert. The 18-ft. long door bottom is furnished with four 4 1/2-ft. aluminum flanges and one 18-ft. rubber insert.

Length	18 ft.
Insert Size (A)	3/4"
Flange Width (B)	1 5/8"
Flange Height (C)	3/8"
Flange Thickness	0.060"
Additional Specifications	Vinyl Insert with Aluminum Flange MSDS



Need help? Call (330) 342-6100
e-mail, or text 76947.

Loctite® RTV SILICONE Gasket Maker

Number 59830, 2.36 oz Tube, Black

In stock

\$13.02 Each

6641A41

15

Begin to harden in 30 minutes (unless noted); reach full strength in 24 hours. Cartridges fit a standard caulk gun. These products are compliant under all state VOC rules in effect on October 1, 2008.

Note: Not for use on parts that come in contact with gasoline.

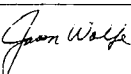
High-Performance RTV Silicone Gasket Makers—Form flexible, low-odor gaskets that replace traditional cork, paper, and rubber gaskets. Resist oil. Fill spaces up to 0.25". Temperature range is -60° to +400° F.

40462, 58730, and 58775 are UL listed and NSF P1 certified.

Loctite Number	59830
Size	2.36-oz. Tube
Color	Black
Additional Specifications	High-Performance RTV Silicone Gasket Makers MSDS

McMaster-Carr Supply Company 200 Aurora Industrial Pkwy Aurora, OH 44202-8087 USA Phone: 330-995-5500 Fax: 330-995-9600 E-Mail: de.sales@mcmaster.com Employer Identification Number (EIN): 36-1458720		Invoice: 64798656 Purchase Order: PO21974 Release: McMaster-Carr Number: 2181931-02		ORIGINAL COMMERCIAL INVOICE CERTIFICATE OF ORIGIN	
Ultimate Destination: Dart Aerospace Ltd 1270 Aberdeen St Hawkesbury ON K6A 1K7 Canada		Shipped: 07-Nov-2013 FOB: ORIGIN Shipper's Export Declaration (SED): NO EEI 30.36			
Intermediate Consignee:		Bill To: Dart Aerospace Ltd 1270 Aberdeen St Hawkesbury ON K6A 1K7 Canada		Tax Number:	
Forwarding Agent:		Billing Attention: Shipping Attention: Contact:			

Line	Description	Qty & Unit	Unit Price	Extension
3	6641A41 Loctite RTV Silicone Gasket Maker, Number 59830, 2.36 oz Tube, Black 71400-200 MAT. M. Country of Origin: United States Schedule B #: 321410 ECCN #: EAR99 NLR	15 EA	\$13.02	\$195.30
4	21465A81 Digital Angle Indicator, 360 Degree Range, 0.1 Degree Measuring Increments 71500-10 DAN.P Country of Origin: United States Schedule B #: 901720 ECCN #: EAR99 NLR	1 EA	\$198.15	\$198.15
5	3015A26 Changeable Pilot Counterbore, High-Speed-Steel, 5/8" Body Diameter, 1/2" Shank Diameter 71500-10 DAN.P Country of Origin: United States Schedule B #: 820760 ECCN #: EAR99 NLR	2 EA	\$60.83	\$121.66
6	3102A24 High-Speed Steel Changeable Pilot Counterbore, 5/8" Body Diameter, 1/4" Shank Diameter, 2-13/16" L Overall 71500-10 DAN.P Country of Origin: United States Schedule B #: 820760 ECCN #: EAR99 NLR	2 EA	\$35.50	\$71.00
7	3103A16 Changeable Counterbore Pilot, 1/8" Shank Diameter, 1/8" Pilot Diameter 71500-10 DAN.P Country of Origin: United States Schedule B #: 820760 ECCN #: EAR99 NLR	4 EA	\$6.00	\$24.00
This transaction is subject to McMaster-Carr Supply Company's terms and conditions of sale. No other terms and conditions of sale shall apply to this transaction. These commodities, technology, or software were exported from the United States in accordance with Export Administration regulations. Diversion contrary to US law is prohibited.				

Shipping Weight (in kgs): 9 Number of Packages: 1		Invoice Amounts:		Merchandise Amount: \$1,127.04 Canadian GST: \$56.37 Shipping Charges: \$16.62 Total (In USD): \$1,200.03	
Package Dimensions: 20 X 43 X 43 CM = .038 CUBIC M		Payment Terms: 2% discount on merchandise only if paid within 10 days, net 30 days			
Authorized Signature:  Date: 07-Nov-2013		Remit payment to: (by mail) McMaster-Carr Supply Company PO Box 7690 Chicago, IL 60680-7690 USA		(by wire transfer) Bank of America Illinois 231 S LaSalle Chicago, IL 60697 ABA 071000039 Account 86666-02021 SWIFT BOFAUS3N	
Name: Jason Wolfe Title: Operations Mgr.		Page 1 of 2			

McMaster-Carr Supply Company
200 Aurora Industrial Pkwy
Aurora, OH 44202-8087 USA
Phone: 330-995-5500

Fax: 330-995-9600

E-Mail: cle.sales@mcmaster.com

Employer Identification Number (EIN): 36-1458720

Invoice: 64798656

Purchase Order: PO21974

Release:

McMaster-Carr Number: 2181931-02

ORIGINAL COMMERCIAL

INVOICE

CERTIFICATE OF ORIGIN

Line	Description	Qty & Unit	Unit Price	Extension
8	3103A27 Changeable Counterbore Pilot, 5/32" Shank Diameter, 3/8" Pilot Diameter 71500-10 DAN.P Country of Origin: United States Schedule B #: 820760 ECCN #: EAR99 NLR	4 EA	\$6.50	\$26.00
9	3103A32 Changeable Counterbore Pilot, 3/16" Shank Diameter, 1/2" Pilot Diameter 71500-10 DAN.P Country of Origin: United States Schedule B #: 820760 ECCN #: EAR99 NLR	4 EA	\$5.20	\$20.80
10	89315A41 Tin-Coated High-Speed-Steel Multi-Diameter Step Drill Bit, 13 Sizes, 1/8"- 1/2", 1/4" Shank Diameter, 1/8" Max Thickness 71500-10 DAN.P Country of Origin: United States Schedule B #: 820750 ECCN #: EAR99 NLR	5 EA	\$24.62	\$123.10
11	8841A21 Multi-Diameter Step Drill Bit, High-Speed-Steel, 13 Sizes, 1/8"-1/2", 1/4" Shank Diameter, 1/8" Max Thickness 71500-10 DAN.P Country of Origin: United States Schedule B #: 820750 ECCN #: EAR99 NLR	5 EA	\$18.43	\$92.15
12	7509A82 3M Gasketing Adhesive, Number 1300L, 32-Ounce Can 71400-20 SYLVIE Country of Origin: United States Schedule B #: 350691 ECCN #: EAR99 NLR	4 EA	\$44.23	\$176.92
13	2848A62 Keyless Drill Chuck, with Ratchet Locking, 1/16"-1/2" Cap, 1/2"-20 Mount 71350-11 LUC Country of Origin: France Schedule B #: 846610 ECCN #: EAR99 NLR	1 EA	\$77.96	\$77.96
	NOTE Line 12 is not packaged for shipment by air. By purchasing from McMaster-Carr Supply Company, you agree not to transport or permit others to transport purchased items except in accordance with U.S. law and any other applicable laws.			
	NOTE Tracking number(s) for this shipment: MFA003364766			

Number of Packages: 1

Page 2 of 2

DEPARTMENT OF HOMELAND SECURITY
U.S. Customs and Border Protection

**NORTH AMERICAN FREE TRADE AGREEMENT
CERTIFICATE OF ORIGIN**

19 CFR 181.11, 181.22

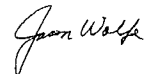
1. EXPORTER NAME AND ADDRESS McMaster-Carr Supply Company 200 Aurora Industrial Pkwy Aurora, OH 44202-8087 USA TAX IDENTIFICATION NUMBER: 36-1458720	2. BLANKET PERIOD 3. PRODUCER NAME AND ADDRESS AVAILABLE TO CUSTOMS UPON REQUEST TAX IDENTIFICATION NUMBER:	4. IMPORTER NAME AND ADDRESS Dart Aerospace Ltd 1270 Aberdeen St Hawkesbury ON K6A 1K7 Canada TAX IDENTIFICATION NUMBER:
--	---	---

5. DESCRIPTION OF GOOD(S)		6. HS TARIFF CLASSIFICATION NUMBER	7. PREFERENCE CRITERION	8. PRODUCER	9. NET COST	10. COUNTRY OF ORIGIN
2	1 Each 10505A43 Base-Mount Overhead-Door Seal, Vinyl, Aluminum Flange, 18' Length	761010	B	NO (3)	NO	US

Invoice: 64798656
Purchase Order: PO21974
Release:
McMaster-Carr Number: 2181931-01

I CERTIFY THAT:

- THE INFORMATION ON THIS DOCUMENT IS TRUE AND ACCURATE AND I ASSUME THE RESPONSIBILITY FOR PROVIDING SUCH REPRESENTATIONS. I UNDERSTAND THAT I AM LIABLE FOR ANY FALSE STATEMENTS OR MATERIAL OMISSIONS ON OR IN CONNECTION WITH THIS DOCUMENT;
- I AGREE TO MAINTAIN AND PRESENT UPON REQUEST, DOCUMENTATION NECESSARY TO SUPPORT THIS CERTIFICATE, AND TO INFORM, IN WRITING, ALL PERSONS TO WHOM THIS CERTIFICATE WAS GIVEN OF ANY CHANGES THAT COULD AFFECT THE ACCURACY OR VALIDITY OF THIS CERTIFICATE;
- THE GOODS ORIGINATED IN THE TERRITORY OF ONE OR MORE OF THE PARTIES, AND COMPLY WITH THE ORIGIN REQUIREMENTS SPECIFIED FOR THOSE GOODS IN THE NORTH AMERICAN FREE TRADE AGREEMENT AND UNLESS SPECIFICALLY EXEMPTED IN ARTICLE 411 OR ANNEX 401. THERE HAS BEEN NO FURTHER PRODUCTION OR ANY OTHER OPERATION OUTSIDE THE TERRITORIES OF THE PARTIES;
- THESE COMMODITIES, TECHNOLOGY OR SOFTWARE WERE EXPORTED FROM THE UNITED STATES IN ACCORDANCE WITH THE EXPORT ADMINISTRATION REGULATIONS. DIVERSION CONTRARY TO U.S. LAW IS PROHIBITED; AND
- THIS CERTIFICATE CONSISTS OF 1 PAGE(S), INCLUDING ALL ATTACHMENTS.

11.	11a. AUTHORIZED SIGNATURE 	11b. COMPANY McMaster-Carr Supply Company		
	11c. NAME (Print or Type) Jason Wolfe	11d. TITLE Operations Mgr.		
	11e. DATE (MM/DD/YYYY) 11/07/2013	11f. TELEPHONE NUMBER	(Voice) +1-330-995-5500	(Facsimile) +1-330-995-9600

CBP Form 434

200 Aurora Industrial Pkwy
Aurora OH 44202-8087
330-995-5500
cle.sales@mcmaster.comDart Aerospace Ltd
1270 Aberdeen St
Hawkesbury ON K6A 1K7
CanadaOrder Placed By
Chantal Lavoie

11/07/2013

McMaster-Carr Number
2181931-02

Line	Description	Ordered	Shipped	LNS	A81
7	3103A16 Changeable Counterbore Pilot, 1/8" Shank Diameter, 1/8" Pilot Diameter Your Part Number: 71500-10 DAN.P Unit Price: \$6.00 Extended Price: \$24.00	4 Each	4	2 - 500	7
8	3103A27 Changeable Counterbore Pilot, 5/32" Shank Diameter, 3/8" Pilot Diameter Your Part Number: 71500-10 DAN.P Unit Price: \$6.50 Extended Price: \$26.00	4 Each	4	2 - 501	8
9	3103A32 Changeable Counterbore Pilot, 3/16" Shank Diameter, 1/2" Pilot Diameter Your Part Number: 71500-10 DAN.P Unit Price: \$5.20 Extended Price: \$20.80	4 Each	4	2 - 502	9
10	89315A41 Tin-Coated High-Speed-Steel Multi-Diameter Step Drill Bit, 13 Sizes, 1/8"- 1/2", 1/4" Shank Diameter, 1/8" Max Thickness Your Part Number: 71500-10 DAN.P Unit Price: \$24.62 Extended Price: \$123.10	5 Each	5	2 - 507	10
11	8841A21 Multi-Diameter Step Drill Bit, High-Speed-Steel, 13 Sizes, 1/8"-1/2", 1/4" Shank Diameter, 1/8" Max Thickness Your Part Number: 71500-10 DAN.P Unit Price: \$18.43 Extended Price: \$92.15	5 Each	5	2 - 507	11
12	7509A82 3M Gasketing Adhesive, Number 1300L, 32-Ounce Can Your Part Number: 71400-20 SYLVIE Unit Price: \$44.23 Extended Price: \$176.92	4 Each	4 ✓	1 - 658	12 HZ-D
13	2848A62 Keyless Drill Chuck, with Ratchet Locking, 1/16"-1/2" Cap, 1/2"-20 Mount Your Part Number: 71350-11 LUC Unit Price: \$77.96 Extended Price: \$77.96	1 Each	1	2 - 490	13

DEPARTMENT OF HOMELAND SECURITY
U.S. Customs and Border Protection

**NORTH AMERICAN FREE TRADE AGREEMENT
CERTIFICATE OF ORIGIN**

19 CFR 181.11, 181.22

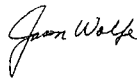
1. EXPORTER NAME AND ADDRESS McMaster-Carr Supply Company 200 Aurora Industrial Pkwy Aurora, OH 44202-8087 USA		2. BLANKET PERIOD 	
TAX IDENTIFICATION NUMBER: 36-1458720		4. IMPORTER NAME AND ADDRESS Dart Aerospace Ltd 1270 Aberdeen St Hawkesbury ON K6A 1K7 Canada	
3. PRODUCER NAME AND ADDRESS AVAILABLE TO CUSTOMS UPON REQUEST		TAX IDENTIFICATION NUMBER:	

5. DESCRIPTION OF GOOD(S)		6. HS TARIFF CLASSIFICATION NUMBER	7. PREFERENCE CRITERION	8. PRODUCER	9. NET COST	10. COUNTRY OF ORIGIN
3 6641A41	15 Each Loctite RTV Silicone Gasket Maker, Number 59830, 2.36 oz Tube, Black	321410	C	NO (3)	NO	US
4 21465A81	1 Each Digital Angle Indicator, 360 Degree Range, 0.1 Degree Measuring Increments	901720	B	NO (3)	NO	US

Invoice: 64798656
 Purchase Order: PO21974
 Release:
 McMaster-Carr Number: 2181931-02

I CERTIFY THAT:

- THE INFORMATION ON THIS DOCUMENT IS TRUE AND ACCURATE AND I ASSUME THE RESPONSIBILITY FOR PROVIDING SUCH REPRESENTATIONS. I UNDERSTAND THAT I AM LIABLE FOR ANY FALSE STATEMENTS OR MATERIAL OMISSIONS ON OR IN CONNECTION WITH THIS DOCUMENT;
- I AGREE TO MAINTAIN AND PRESENT UPON REQUEST, DOCUMENTATION NECESSARY TO SUPPORT THIS CERTIFICATE, AND TO INFORM, IN WRITING, ALL PERSONS TO WHOM THIS CERTIFICATE WAS GIVEN OF ANY CHANGES THAT COULD AFFECT THE ACCURACY OR VALIDITY OF THIS CERTIFICATE;
- THE GOODS ORIGINATED IN THE TERRITORY OF ONE OR MORE OF THE PARTIES, AND COMPLY WITH THE ORIGIN REQUIREMENTS SPECIFIED FOR THOSE GOODS IN THE NORTH AMERICAN FREE TRADE AGREEMENT AND UNLESS SPECIFICALLY EXEMPTED IN ARTICLE 411 OR ANNEX 401. THERE HAS BEEN NO FURTHER PRODUCTION OR ANY OTHER OPERATION OUTSIDE THE TERRITORIES OF THE PARTIES;
- THESE COMMODITIES, TECHNOLOGY OR SOFTWARE WERE EXPORTED FROM THE UNITED STATES IN ACCORDANCE WITH THE EXPORT ADMINISTRATION REGULATIONS. DIVERSION CONTRARY TO U.S. LAW IS PROHIBITED; AND
- THIS CERTIFICATE CONSISTS OF 1 PAGE(S), INCLUDING ALL ATTACHMENTS.

11a. AUTHORIZED SIGNATURE 		11b. COMPANY McMaster-Carr Supply Company	
11c. NAME (Print or Type) Jason Wolfe		11d. TITLE Operations Mgr.	
11e. DATE (MM/DD/YYYY) 11/07/2013	11f. TELEPHONE NUMBER	(Voice) +1-330-995-5500	(Facsimile) +1-330-995-9600

CBP Form 434

Material Safety Data Sheet

LOCTITE®



Revision Number: 007.1

Issue date: 06/07/2011

1. PRODUCT AND COMPANY IDENTIFICATION

Product name: Loctite(R) 598 Black High Performance RTV Silicone Gasket Maker
Product type: Silicone
Company address: Henkel Corporation
One Henkel Way
Rocky Hill, Connecticut 06067

IDH number: 234609
Item number: 59830
Region: United States
Contact information:
Telephone: 860.571.5100
Emergency telephone: 860.571.5100
Internet: www.henkelna.com

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Physical state:	paste	HEALTH:	*2
Color:	black	FLAMMABILITY:	1
Odor:	Mild	PHYSICAL HAZARD:	0
		Personal Protection:	See MSDS Section 8

WARNING: PROLONGED OR REPEATED CONTACT WITH UNCURED SEALANT MAY CAUSE EYE, SKIN AND RESPIRATORY TRACT IRRITATION. REPEATED OR PROLONGED CONTACT MAY CAUSE ALLERGIC SKIN REACTION.

Relevant routes of exposure: Skin, Inhalation, Eyes

Potential Health Effects

Inhalation: Inhalation of vapors or mists of the product may be irritating to the respiratory system. When heated to temperatures exceeding 300° F (150° C) in the presence of air, silicones may form formaldehyde vapors. Formaldehyde is a potential cancer hazard and a known skin and respiratory sensitizer. Vapors irritate the eyes, nose and throat. Safe handling conditions may be maintained by keeping formaldehyde vapor concentrations below the OSHA permissible limit. The silane is a skin and eye irritant and prolonged contact may cause eye and skin burns. The low concentration makes such overexposure unlikely and minimizes its affect on health and safety.

Skin contact: Prolonged or repeated contact with uncured sealant may cause skin irritation. May cause allergic skin reaction.

Eye contact: Vapors may irritate eyes. Contact with eyes will cause irritation.

Ingestion: May be harmful if swallowed. Not expected under normal conditions of use.

Existing conditions aggravated by exposure: Skin disorders.

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

See Section 11 for additional toxicological information.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous components	CAS NUMBER	%
Silicone Resin	Proprietary	30 - 60
Reinforcing Filler	Proprietary	30 - 60
Silicone Resin	Proprietary	10 - 30
Filler	Proprietary	5 - 10
Oximino silane	Proprietary	1 - 5
Carbon black	1333-86-4	0.1 - 1

Exposure to moisture during cure will release 0.1 - 0.9% methanol. Methyl ethyl ketoxime (MEKO) is formed during cure. This product will release up to 5% MEKO.

4. FIRST AID MEASURES

Inhalation:	Move to fresh air. If symptoms persist, seek medical advice.
Skin contact:	Wipe off paste with paper towel or cloth. Wash with soap and water. If symptoms develop and persist, get medical attention.
Eye contact:	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists, consult a specialist.
Ingestion:	Do not induce vomiting. If symptoms develop and persist, get medical attention.

5. FIRE FIGHTING MEASURES

Flash point:	> 93 °C (> 199.4 °F) Tagliabue closed cup
Autoignition temperature:	Not available
Flammable/Explosive limits - lower:	Not applicable
Flammable/Explosive limits - upper:	Not applicable
Extinguishing media:	Carbon dioxide. foam Dry chemical.
Special firefighting procedures:	Wear self contained breathing apparatus.
Unusual fire or explosion hazards:	None
Hazardous combustion products:	Oxides of silicon. Oxides of carbon. Formaldehyde.

6. ACCIDENTAL RELEASE MEASURES

Use personal protection recommended in Section 8, isolate the hazard area and deny entry to unnecessary and unprotected personnel.

Environmental precautions:	Do not allow product to enter sewer or waterways.
Clean-up methods:	Scrape up as much material as possible. Maintain good ventilation for large spills. Store in a partly filled, closed container until disposal.

7. HANDLING AND STORAGE

Handling:	Prevent contact with eyes, skin and clothing. Do not breathe vapor and mist. Wash thoroughly after handling. Do not wear contact lenses.
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Storage:

For safe storage, store between 8 °C (46.4 °F) and 28 °C (82.4 °F)
Store in a dry area below 90° F. Keep container closed.

For information on product shelf life contact Henkel Customer Service at (800) 243-4874.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Employers should complete an assessment of all workplaces to determine the need for, and selection of, proper exposure controls and protective equipment for each task performed.

Hazardous components	ACGIH TLV	OSHA PEL	AIHA WEEL	OTHER
Silicone Resin	None	None	None	None
Reinforcing Filler	10 mg/m3 TWA Total dust.	5 mg/m3 TWA Respirable fraction. 15 mg/m3 TWA Total dust.	None	None
Silicone Resin	None	None	None	None
Filler	None	None	None	None
Oximino silane	None	None	None	None
Carbon black	3.5 mg/m3 TWA 3 mg/m3 TWA Inhalable fraction.	3.5 mg/m3 TWA	None	None

Engineering controls:

Provide adequate local exhaust ventilation to maintain worker exposure below exposure limits.

Respiratory protection:

Use a NIOSH approved air-purifying respirator with an organic vapor cartridge.
Use a NIOSH approved air-purifying respirator if the potential to exceed established exposure limits exists.

Eye/face protection:

Safety goggles or safety glasses with side shields.

Skin protection:

Butyl rubber gloves. Natural rubber gloves. Nitrile gloves. Impervious clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	paste
Color:	black
Odor:	Mild
Odor threshold:	Not available
pH:	Not applicable
Vapor pressure:	< 5 mm hg (20 °C (68°F))
Boiling point/range:	Not applicable
Melting point/ range:	Not available
Specific gravity:	1.3 at 20 °C (68°F)
Vapor density:	Heavier than air.
Flash point:	> 93 °C (> 199.4 °F) Tagliabue closed cup
Flammable/Explosive limits - lower:	Not applicable
Flammable/Explosive limits - upper:	Not applicable
Autoignition temperature:	Not available
Evaporation rate:	Not available
Solubility in water:	Polymerises in presence of water.
Partition coefficient (n-octanol/water):	Not available
VOC content:	3.31 %; 40.69 g/l

10. STABILITY AND REACTIVITY

Stability: Stable

Hazardous reactions: Will not occur.

Hazardous decomposition products: Oxides of carbon. Oxides of silicon. Formaldehyde. Methyl ethyl ketoxime formed during cure.

Incompatible materials: Polymerizes on contact with water.

Conditions to avoid: Moisture.

11. TOXICOLOGICAL INFORMATION

Hazardous components	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen (Specifically Regulated)
Silicone Resin	No	No	No
Reinforcing Filler	No	No	No
Silicone Resin	No	No	No
Filler	No	No	No
Oximino silane	No	No	No
Carbon black	No	Group 2B	No

Hazardous components	Health Effects/Target Organs
Silicone Resin	No Target Organs
Reinforcing Filler	Nuisance dust
Silicone Resin	Irritant
Filler	No Target Organs
Oximino silane	Irritant, Allergen
Carbon black	Respiratory, Some evidence of carcinogenicity

12. ECOLOGICAL INFORMATION

Ecological information: No specific studies have been conducted by Henkel on the ecotoxicity or environmental fate of this material; however, commonly available data on the material indicate that uncontrolled releases to soil, ground water, or surface waters could entail acute and/or chronic ecological effects, depending on the quantity and concentration of such releases. Releases of volatile components to the atmosphere are not believed to entail significant ecological consequences provided such releases are within the exposure levels set forth in this document. Accordingly, all appropriate measures should be taken to avoid uncontrolled releases to the environment, and any spills or other uncontrolled releases which may occur should be contained and cleaned up immediately in accordance with Section 6.

13. DISPOSAL CONSIDERATIONS

Information provided is for unused product only.

Recommended method of disposal: Cured rubber can be incinerated or landfilled following EPA and local regulations.

Hazardous waste number: Not a RCRA hazardous waste.

14. TRANSPORT INFORMATION

U.S. Department of Transportation Ground (49 CFR)

Proper shipping name: Not regulated

Hazard class or division: None

Identification number: None

Packing group: None

International Air Transportation (ICAO/IATA)

Proper shipping name:	Not regulated
Hazard class or division:	None
Identification number:	None
Packing group:	None

Water Transportation (IMO/IMDG)

Proper shipping name:	Not regulated
Hazard class or division:	None
Identification number:	None
Packing group:	None
Exceptions:	None

15. REGULATORY INFORMATION**United States Regulatory Information**

TSCA 8 (b) Inventory Status:	All components are listed or are exempt from listing on the Toxic Substances Control Act Inventory.
TSCA 12(b) Export Notification:	None above reporting de minimus
CERCLA/SARA Section 302 EHS:	None above reporting de minimus
CERCLA/SARA Section 311/312:	Immediate Health, Delayed Health
CERCLA/SARA 313:	None above reporting de minimus
California Proposition 65:	This product contains a chemical known in the State of California to cause cancer.

Canada Regulatory Information

CEPA DSL/NDL Status:	One or more components are not listed on, and are not exempt from listing on either the Domestic Substances List or the Non-Domestic Substances List.
WHMIS hazard class:	D.2.A, D.2.B

16. OTHER INFORMATION

This material safety data sheet contains changes from the previous version in sections: New Material Safety Data Sheet format.

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